

WHAT IS CLAIMED IS:

1. An image processing method comprising:
an analysis step of analyzing additional
information of input image data;
5 a selection step of selecting a color space
conversion condition from among plural color space
conversion conditions including first and second
color space conversion conditions, in accordance with
the analyzed result; and
10 a color space conversion step of converting a
color space of the input image data by using the
selected color space conversion condition,
wherein the first color space conversion
condition and the second color space conversion
15 condition are used to convert input color data into a
different color space.
2. An image processing method according to
Claim 1, wherein a first color space conversion of
20 using the first color space conversion condition is a
conversion into an sRGB color space.
3. An image processing method according to
Claim 1, wherein a second color space conversion of
25 using the second color space conversion condition is
a conversion into a color space wider than the sRGB
color space, and the bit number of the color data

converted by the first color space conversion is same as the bit number of the color data converted by the second color space conversion.

5 4. An image processing method according to Claim 1, wherein the additional information is information of indicating a photographing mode of the input image data.

10 5. An image processing method according to Claim 1, wherein the additional information is flash information at a time of photographing the input image data.

15 6. An image processing method according to Claim 1, wherein the additional information is photographic object information added to the input image data.

20 7. An image processing method according to Claim 6, wherein the photographic object information is information of specifying that a photographic object is a person.

25 8. An image processing method according to Claim 1, further comprising a correction step of performing an image correction for the image data, to

which a color space conversion has been performed.

9. An image processing apparatus comprising:
analysis means for analyzing additional
5 information of input image data;
selection means for selecting a color space
conversion condition from among plural color space
conversion conditions of including first and second
color space conversion conditions, in accordance with
10 the analyzed result; and
color space conversion means for converting a
color space of the input image data by using the
selected color space conversion condition,
wherein the first color space conversion
15 condition and the second color space conversion
condition are used to convert input color data into a
different color space.

10. A computer-readable recording medium which
20 records programs to execute the following steps of:
analyzing additional information of input image
data;
selecting a color space conversion condition
from among plural color space conversion conditions
25 of including first and second color space conversion
conditions, in accordance with the analyzed result;
and

converting a color space of the input image data by using the selected color space conversion condition,

wherein the first color space conversion
5 condition and the second color space conversion condition are used to convert input color data into a different color space.